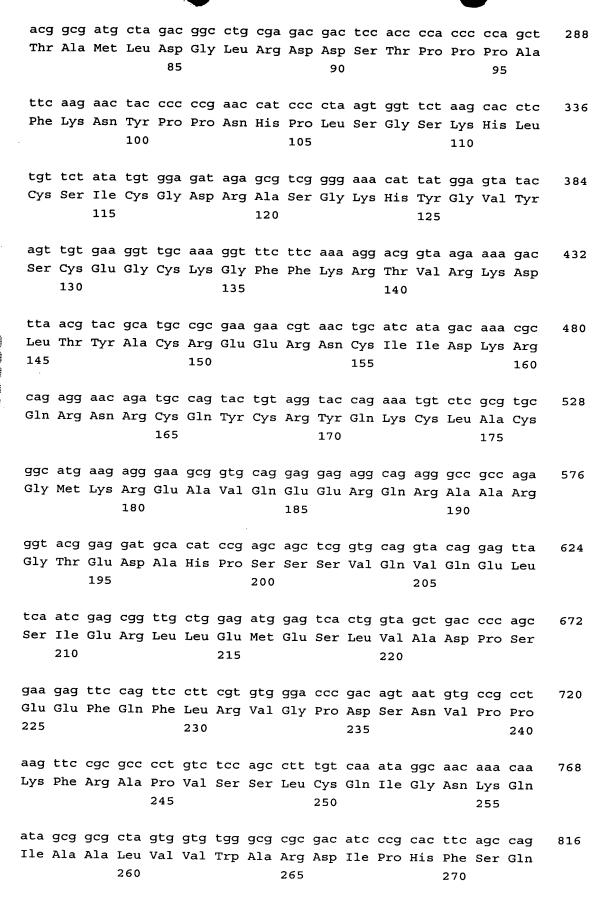
SEQUENCE LISTING

	<11	0> B	ayer	AKt	leng	esei	lsch	aft									
	<12	0> U	ltra	spir	acle	(US	P) p	rote	in f	rom	Heli	othi	s vi	resc	ens		
	<13	0> L	e A	34 7	71												
	<14 <14																
	<15	0> D	E 10	0 36	469	. 1											
•	<15	1> 2	000-	07-2	5												
	<16	0> 2															
4 === <u>1</u>	<17	0 _, > P	aten	tIn	Ver.	2.1											
	<21	0> 1															
1	<21	1> 1	398														
]	<21	2 > D	NA														
	<21	3> H	elio	this	vir	esce:	ns										
T T	<22	0 >															
-	<221> CDS																
F. F.	<22	2> (1)	(139	8)												•
	<40	0> 1															
	atg	tcc	gtg	gcg	aag	aaa	gac	aag	ccg	aca	atg	tcg	gtg	aca	gca	ctt	48
=	Met	Ser	Val	Ala	Lys	Lys	Asp	Lys	Pro	Thr	Met	Ser	Val	Thr	Ala	Leu	
	1				5					10					15		
	atc	aac	tgg	gct	cga	ccc	ttg	ccg	ccg	ggc	caa	cag	cag	cag	ccg	atg	96
	Ile	Asn	Trp	Ala	Arg	Pro	Leu	Pro	Pro	Gly	Gln	Gln	Gln	Gln	Pro	Met	
				20					25					30			
	acg	cct	acg	tcg	ccc	gga	aac	atg	ctt	caa	ccg	atg	gct	acg	ccg	tct	144
	Thr	Pro		Ser	Pro	Gly	Asn	Met	Leu	Gln	Pro	Met	Ala	Thr	Pro	Ser	
			35					40					45				
	aac	tta	ccg	act	gtc	gac	tgc	tca	ctc	gat	att	caa	tgg	cta	aac	ttg	192
	Asn	Leu	Pro	Thr	Val	Asp	Cys	Ser	Leu	Asp	Ile	Gln	\mathtt{Trp}	Leu	Asn	Leu	
		50					55					60					
	gag	gga	ggt	ttt	atg	tcg	ccg	atg	tca	ccg	ccg	gag	atg	aag	cca	gac	240
	Glu	Gly	Gly	Phe	Met	Ser	Pro	Met	Ser	Pro	Pro	Glu	Met	Lys	Pro	Asp	
	65					70					75					80	



		_	_	_	_		_				ggc Gly				_	864
											gag Glu 300		_		_	912
	_	_			_					_	acc Thr			_		960
											cac His					1008
_	_					_			_	_	gtg Val	_	_		-	1056
_	_	_	_	_		_	_	_	_	_	gcc Ala			_		1104
	_	_			_				_		aag Lys 380		_			1152
				_	_		_	_	_	_	ttc Phe	_	_	_	_	1200
							_	_			ggt Gly					1248
								_			tca Ser		_	_		1296
								_			acc Thr	_		_		1344
											ccc Pro 460					1392

atg atg Met Met 465

<210> 2

<211> 466

<212> PRT

<213> Heliothis virescens

<400> 2

Met Ser Val Ala Lys Lys Asp Lys Pro Thr Met Ser Val Thr Ala Leu

1 5 10 15

Ile Asn Trp Ala Arg Pro Leu Pro Pro Gly Gln Gln Gln Gln Pro Met
20 25 30

Thr Pro Thr Ser Pro Gly Asn Met Leu Gln Pro Met Ala Thr Pro Ser
35 40 45

Asn Leu Pro Thr Val Asp Cys Ser Leu Asp Ile Gln Trp Leu Asn Leu 50 55 60

Glu Gly Gly Phe Met Ser Pro Met Ser Pro Pro Glu Met Lys Pro Asp 65 70 75 80

Thr Ala Met Leu Asp Gly Leu Arg Asp Asp Ser Thr Pro Pro Pro Ala 85 90 95

Phe Lys Asn Tyr Pro Pro Asn His Pro Leu Ser Gly Ser Lys His Leu 100 105 110

Cys Ser Ile Cys Gly Asp Arg Ala Ser Gly Lys His Tyr Gly Val Tyr 115 120 125

Ser Cys Glu Gly Cys Lys Gly Phe Phe Lys Arg Thr Val Arg Lys Asp 130 135 140

Leu Thr Tyr Ala Cys Arg Glu Glu Arg Asn Cys Ile Ile Asp Lys Arg 145 150 155 160

Gln Arg Asn Arg Cys Gln Tyr Cys Arg Tyr Gln Lys Cys Leu Ala Cys 165 170 175

Gly Met Lys Arg Glu Ala Val Gln Glu Glu Arg Gln Arg Ala Ala Arg 180 185 190

Gly Thr Glu Asp Ala His Pro Ser Ser Val Gln Val Gln Glu Leu

Ser Ile Glu Arg Leu Leu Glu Met Glu Ser Leu Val Ala Asp Pro Ser 210 215 220

Glu Glu Phe Gln Phe Leu Arg Val Gly Pro Asp Ser Asn Val Pro Pro 225 230 235 240

Lys Phe Arg Ala Pro Val Ser Ser Leu Cys Gln Ile Gly Asn Lys Gln
245 250 255

Ile Ala Ala Leu Val Val Trp Ala Arg Asp Ile Pro His Phe Ser Gln 260 265 270

Leu Glu Met Glu Asp Gln Ile Leu Leu Ile Lys Gly Ser Trp Asn Glu
275 280 285

Leu Leu Phe Ala Ile Ala Trp Arg Ser Met Glu Phe Leu Thr Glu 290 295 300

Glu Arg Asp Gly Val Asp Gly Thr Gly Asn Arg Thr Thr Ser Pro Pro 305 310 315 320

Gln Leu Met Cys Leu Met Pro Gly Met Thr Leu His Arg Asn Ser Ala 325 330 335

Leu Gln Ala Gly Val Gly Gln Ile Phe Asp Arg Val Leu Ser Glu Leu 340 345 350

Ser Leu Lys Met Arg Thr Leu Arg Val Asp Gln Ala Glu Tyr Val Ala 355 360 365

Leu Lys Ala Ile Ile Leu Leu Asn Pro Asp Val Lys Gly Leu Lys Asn 370 375 380

Arg Gln Glu Val Glu Val Leu Arg Glu Lys Met Phe Leu Cys Leu Asp 385 390 395 400

Glu Tyr Cys Arg Arg Ser Arg Ser Ser Glu Glu Gly Arg Phe Ala Ala 405 410 415

Leu Leu Leu Arg Leu Pro Ala Leu Arg Ser Ile Ser Leu Lys Ser Phe 420 425 430

Glu His Leu Phe Phe Phe His Leu Val Ala Asp Thr Ser Ile Ala Gly
435 440 445

Tyr Ile Arg Asp Ala Leu Arg Asn His Ala Pro Pro Ile Asp Thr Asn

Met Met